

ABSTRACT

School: **Charles University in Prague**

Faculty: **Faculty of Pharmacy in Hradec Králové**

Study program: **pharmacy**

Department: **Department of pharmacology and toxicology**

Academic year: **2010/2011**

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Title of diploma thesis: **The pharmacotherapy of gastric and duodenal ulcer disease**

This diploma thesis deals with a gastric and duodenal ulcer disease. The aim of this work is to make summary of pharmaceutics used in therapy with concentrating on its mechanisms of action, pharmacokinetics, side effects and drug interactions. Nowadays antacids, anticholinergics and cytoprotectives are in therapy of peptic ulcers nearly obsolete, because of more effective antiseptics mainly inhibitors of proton pump. Inhibitors of proton pump are one component of eradication therapy for peptic ulcer disease in *Helicobacter pylori* positive patients. The work contains summary of aggressive and protective factors, which interact with a damage of stomach and duodenal mucosa. More attention is given to aggressive factors *Helicobacter pylori* and nonsteroidal anti-inflammatory drugs. Important chapter is also „Diagnosis“ and „Epidemiology“.